

# E-BOX-48100R



## Introduction

E-BOX series, the new generation LFP battery for home energy storage system. It provides safe, well-designed and high-performance standard LFP battery pack. The battery pack is compact, easy to install, free of maintenance and can be installed in parallel in the energy storage system to increase its capacity. It is widely applied in residential applications, small commercial and industrial energy storage system as well as Telecom stations.

## Features



### Self-Consumption

store excess energy generated by solar panels and use it whenever needed



### Back-Up Power Supply

provide emergency power supply during grid outage



### Electricity Bills Reduction

charge the battery during off-peak period and discharge the battery during peak period



### Smart Energy Management

measure, monitor and manage the system in real-time  
optimize the system life span by intelligent algorithms



### Longest Life and Highest Safety

more than 6000 cycles @90%DOD



### Wide Compatibility

compatible with most of inverters in the market

**10 Years Warranty**



Certified  
to UL1973

**UN38.3**

## Technical Specifications

Battery Model	E-BOX-48100R
Chemistry	LFP
Nominal Voltage	51.2V
Voltage Range	47.5V-58V
Nominal Capacity	100Ah
Nominal Energy	5.12kWh
Unit Dimension (L*W*H)	17.32 * 24.41 * 4.61 inch (440 * 620 * 117 mm)
Unit Weight	112.5lbs
Peak Discharge Rate	102A (5.22kW@15s)
Maximum Continuous Discharge Rate	50A (2.56kW DC)
Standard Continuous Discharge Rate	50A (2.56kW DC)
Maximum Continuous Charge Current	50A
Standard Continuous Charging Current	50A
Round-Trip Efficiency	≥95%
Communication Protocol	RS232, RS485, CAN
Cycle Life	≥6000cycle
Calendar Life	≥10years
Operating Temperature	14 °F~122°F
Connect style	Parallel
Storage Temperature	<1month: -4~131 °F, 1-3months: 32~95 °F, 3-12months: 68~77 °F

